

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A modular orthopaedic implant system comprising:
 - a first component having an articulating surface, an end opposite the articulating surface, and an interior surface defining a tapered bore at the end, and an exterior surface spaced from the articulating surface, at least a portion of the exterior surface surrounding the tapered bore, the portion of the exterior surface surrounding the tapered bore being asymmetrical in at least one cross-section, the maximum dimension of the first component in one direction being the distance from the articulating surface to the end; and
 - a tapered metaphyseal component mountable to the end of the first~~distal femoral~~ component;
 - wherein the tapered metaphyseal component includes a tapered post sized and shaped to be receivable within the tapered bore of the first component and to create a frictional lock between the first component and the tapered metaphyseal component.

2. (original) The modular orthopaedic implant system of claim 1 wherein the first component comprises a distal femoral component that is sized and shaped to replace more than the distal 3 cm. of the native femur.

3. (withdrawn) The modular orthopaedic implant system of claim 1 further comprising a plurality of orthopaedic components having tapered bores sized and shaped to be received in and frictionally lock with the tapered bore of the first component.
4. (withdrawn) The modular orthopaedic implant system of claim 3 wherein at least one of the plurality of orthopaedic components comprises a segment sized and shaped to replace a portion of the shaft of a long bone.
5. (cancelled)
6. (currently amended) ~~The modular orthopaedic implant system of claim 1~~ A modular orthopaedic implant system comprising:
a first component having a distal articulating surface, a proximal end opposite the distal articulating surface, an interior surface defining a tapered bore at the proximal end, and an exterior surface spaced from the articulating surface, at least a portion of the exterior surface surrounding the tapered bore, the portion of the exterior surface surrounding the tapered bore being asymmetrical in at least one cross-section, the maximum proximal-distal dimension of the first component being the distance from the distal articulating surface to the proximal end; and
a tapered metaphyseal component mountable to the first component;
 wherein the tapered metaphyseal component has an interior surface defining a distal tapered bore, the system further comprising an adapter for connecting the tapered metaphyseal component to the first component, the adapter having a tapered post at one end

sized and shaped to be receivable within the tapered bore of the first component and to create a frictional lock between the first component and the adapter, the adapter further comprising a tapered post at the opposite end sized and shaped to be receivable within the tapered bore of the tapered metaphyseal component and to create a frictional lock between the adapter and the tapered metaphyseal component, wherein the posts are most narrow at the ends of the adapter.

7. (currently amended) The modular orthopaedic implant system of claim 6 wherein the two tapered posts of the adapter are different from each other in size or shape, and wherein the two tapered posts are integral.

8. (currently amended) The modular orthopaedic implant system of claim 1 wherein the tapered metaphyseal component has a narrow end and a wider end and an interior surface defining an opening at the narrow end, the system further comprising:

a first stem extension having a distal end and a proximal end, the distal end being shaped and sized to be received in and mate with the opening at the narrow end of the tapered metaphyseal component;

a second stem extension having a distal end and a proximal end, the distal end of the second femoral stem extension being different from the distal end of the first femoral stem extension ~~shape~~ in size or shape; and

an adapter for connecting the second femoral stem extension to the tapered metaphyseal component, the adapter having an end sized and shaped to be received in and mate with the opening at the narrow end of the tapered metaphyseal component, and the

adapter opposite end having an opening sized and shaped to receive and mate with the distal end of the second femoral stem extension;

wherein the first stem extension is sized and shaped so that when the first stem extension is assembled with the metaphyseal component, a majority of the length of the first stem extension is exposed beyond the metaphyseal component; and

wherein the second stem extension is sized and shaped so that when the second stem extension is assembled with the adapter and the metaphyseal component, a majority of the length of the second stem extension is exposed beyond the adapter and metaphyseal component.

9. (withdrawn) The modular orthopaedic implant system of claim 8 wherein the distal end of the second stem extension is threaded.

10-23. cancelled

24. (currently amended) An orthopaedic implant system comprising:
a first implantable component having an articulating surface to replace a portion of a patient's bone;
a second implantable component;
the first implantable component having a tapered bore;
the second implantable component having a tapered bore differing from the tapered bore of the first implantable component in at least one characteristic;

an adapter for connecting the first implantable component to the second implantable component, the adapter including two tapered posts, one of said tapered posts being at one end of the adapter and being sized and shaped to be received in and frictionally lock with the tapered bore of the first implantable component and the other of said tapered posts being at the opposite end of the adapter and being sized and shaped to be received in and frictionally lock with the tapered bore of the second implantable component, the two posts being most narrow at the ends of the adapter.

25. (original) The system of claim 24 wherein the first implantable component comprises a distal femoral component and the second implantable component comprises a tapered metaphyseal component.

26. (withdrawn) The system of claim 25 further comprising an implantable segment sized and shaped to replace a diaphyseal portion of a long bone, the implantable segment having a tapered post sized and shaped to be received in and frictionally lock with the tapered bore of the distal femoral component.

27. (withdrawn) A modular orthopaedic knee implant system comprising:
a distal femoral component having a distal articulating surface;
a tapered metaphyseal component having a distal end and a proximal end with an opening at the proximal end, the tapered metaphyseal component being mountable to the distal femoral component;

a first femoral stem extension having a distal end and a proximal end, the distal end being shaped and sized to be received in and mate with the opening at the proximal end of the tapered metaphyseal component;

a second femoral stem extension having a distal end and a proximal end, the distal end of the second femoral stem extension being different from the distal end of the first femoral shape in size or shape;

an adapter for connecting the second femoral stem extension to the tapered metaphyseal component, the adapter having a proximal end and a distal end, the adapter distal end being sized and shaped to be received in and mate with the opening at the proximal end of the tapered metaphyseal component, and the adapter proximal end having an opening sized and shaped to receive and mate with the distal end of the second femoral stem extension.

28. (withdrawn) The modular orthopaedic knee implant system of claim 27 wherein the opening at the adapter proximal end is threaded.

29. (withdrawn) The modular orthopaedic knee implant system of claim 27 wherein the distal end of the adapter comprises a post.

30. (withdrawn) An orthopaedic knee implant kit comprising:

a first distal femoral component having a distal articulating surface and a post;

a second distal femoral component having a distal articulating surface and a proximal end and with a bore at the proximal end;

a tapered metaphyseal component having a proximal end and a distal end and having an interior surface defining a bore at the distal end, the bore of the tapered metaphyseal component being shaped and sized to receive a portion of the post of the first distal femoral component for mounting the tapered metaphyseal component on the first distal femoral component;

an adapter having a distal end comprising a post shaped and sized to be received in the bore at the proximal end of the second femoral component, the adapter having a proximal end comprising a post shaped and sized to be received in the bore at the distal end of the tapered metaphyseal component;

wherein the tapered metaphyseal component may be selectively used with the first distal femoral component and the second distal femoral component.

31. (withdrawn) The orthopaedic knee implant kit of claim 30 wherein the proximal end of the tapered metaphyseal component has an interior surface defining a bore, the kit further comprising a second adapter having a proximal end and a distal end, the distal end of the second adapter having an outer surface shaped to define a post receivable and frictionally engageable with the bore at the proximal end of the tapered metaphyseal component.

32. (withdrawn) The orthopaedic knee implant kit of claim 31 further comprising a first stem extension having a proximal end and a distal end, wherein the distal end of the first stem extension has an outer surface defining a post sized and shaped to be receivable and frictionally engageable with the bore at the proximal end of the tapered metaphyseal component.

33. (withdrawn) The orthopaedic knee implant kit of claim 32 further comprising a second stem extension having a proximal end and a distal end, wherein the distal end of the second stem extension differs from the distal end of the first stem extension in size or shape.

34. (withdrawn) The orthopaedic knee implant kit of claim 33 wherein the distal end of the second stem extension is threaded and the proximal end of the second adapter is threaded.